

CLIMATOLOGICAL DATA FOR SEPTEMBER, 1911.

DISTRICT NO. 1, NORTH ATLANTIC STATES.

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GENERAL SUMMARY.

Generally favorable and pleasant weather conditions were the characteristics of the month; there was marked freedom from damaging storms as well as from prolonged periods of high or low temperature and of rainy or dry weather. A few hot, sultry days occurred in the first decade and others in the early part of the third, but the highest temperatures were by no means unusual for September. On the whole, the month is mentioned as a pleasant one in all sections, although its average temperature in the Southern States of the district was about 2° higher than usual. It was slightly cooler than usual in the northern part of the district, where a cool period was experienced on the 14th and 15th and another during the last four or five days of the month. In the greater part of the district the lowest temperatures were observed on the morning of the 14th, when killing frosts occurred extensively and temperatures almost as low as any on the September records were observed in parts of New York and New England. The resulting damage to late crops, such as corn, buckwheat, and tobacco, was easily the most conspicuous effect of the month's weather, though serious loss was limited chiefly to Connecticut and a few counties in central New York. Judging from newspaper reports, it is believed that the total injury resulting from the frosts represented a value of about \$300,000.

The following table summarizes the leading meteorological features for the various sections of the district:

States or parts of States within district No. 1.	Temperature.				Precipitation.				Average number of—	
	Average.	Departure	Highest.	Lowest.	Average.	Departure	Greatest total.	Least total.	Rainy days.	Clear days.
New England States.....	59.1	-0.9	88	21	3.34	-0.18	5.74	1.46	11	12
New York.....	60.0	-0.6	90	19	3.60	-0.25	7.29	1.51	10	15
Pennsylvania.....	64.5	+0.8	90	26	4.18	+0.78	6.64	1.85	10	14
New Jersey.....	66.4	+0.6	90	30	2.88	-1.06	5.33	1.08	9	10
Maryland, Delaware, and District of Columbia.....	69.7	+1.9	95	37	2.50	-0.96	5.08	0.92	7	14
West Virginia.....	67.0	+2.1	93	32	4.05	+1.58	5.58	2.39	9	11
Virginia.....	70.1	+2.2	93	35	2.33	-0.81	3.23	1.43	8	12

TEMPERATURE.

The average temperature for the district was slightly above 65°, or nearly the same as that for September, 1910. The month was somewhat cooler than usual in the northern part of the district, but from Pennsylvania southward the temperatures averaged above the normal. In eastern Massachusetts, Maine, and in the upper Hudson and Mohawk River valleys the average temperatures ranged from 1.5° to 3° less than the normal, while in the southern

States of the district they were as much or more above the normal. South of Pennsylvania an excess in the average temperature was noted at all stations, but the weather was generally considered uneventful. The highest temperature recorded within the district was 95° at Solomons, Md., on the 3d, whereas in September last year there is record of a temperature of 101°.

The absence of excessively warm days over the greater part of the district caused the month to be regarded as remarkably pleasant, even where the average temperature was several degrees above the normal. Temperatures above 90° were not recorded, except in Maryland, Delaware, Virginia, and West Virginia. At many stations in New York and New England the highest temperatures did not exceed 80°. The warm periods that occurred appear to have affected rather small areas, as the maximum temperatures for the month occurred on many different dates. Chief among these were the 2d, 3d, 6th, and 25th.

Two of the cooler periods of the month were quite prominent and affected large areas. The first began on the morning of the 14th, when killing frosts and freezing temperatures occurred extensively in parts of Pennsylvania, New York, and New England. Frosts occurred locally as far south as Maryland, even in the eastern part of that State, but from Pennsylvania southward there was little injury to vegetation, and the cold spell was remarkable for its early occurrence rather than for its effects. Probably two-thirds of the damage resulting within the district from the early frosts was sustained by tobacco growers in Connecticut.

Temperatures below 32° were not recorded in Maryland, Delaware, West Virginia, or Virginia. The lowest temperature recorded within the district was 19° at Spier Falls, N. Y., on the 15th.

The last four or five days of the month were cool and generally cloudy, with frequent rainfall. Unlike the cool period of the 14th and 15th, when the day temperatures were fully up to the seasonal average, this period was marked by unusually cool weather in the daytime. The prevailing northerly winds, together with the absence of sunshine, kept the air very cool, particularly on the 29th. On that date light snow, varying from a trace to several inches, fell in the interior and mountainous sections of the northern States. At Hanover, N. H., it was the earliest snowfall since 1859.

PRECIPITATION.

Over most of the district the rainfall was below normal, but, owing to its timely occurrence and to the heavy precipitation of the last week of August, it was generally sufficient in all sections. In Pennsylvania and West Virginia the rainfall was somewhat greater than the September average, and some of the smaller streams in those States reached the flood stage.

The average rainfall for the district was slightly more than 3 inches, but a little less than the normal. Showers occurred frequently throughout the month, and, as none of them were unusually heavy, the resulting distribution of the precipitation was very good, both with regard to the time of occurrence and the total amount received in various localities. Only one station in the district, Annapolis, Md., received less than 1 inch of rain during the month, and few stations had less than 2 inches, except in Maryland and Virginia. The greatest amount recorded at any station was 7.29 inches at Salisbury, N. Y.

During the first half of the month there was considerably more rain in the northern half of the district than in the southern, owing to the fact that the storm of the 6th affected only the northern sections. The next extensive rain of importance occurred on the 15th. This was heavy in Pennsylvania, West Virginia, Maryland, and Virginia, but light in the other States of the district. Good rains occurred somewhat less extensively on several other dates, notably the 9th, 11th, 22d, 25th, and 29th, being light in some States and heavy in others; but at practically all stations in the district the rainfall was ample and came at favorable intervals.

Though the month was generally free from damaging storms and high winds, there was a very destructive local storm of hail at East Windsor, near Binghamton, N. Y., on the 18th, when fair weather was general over the State. The storm appeared to center over the village, and it wrought havoc with the crops and orchards over a path nearly a mile wide. The fruit was cut into pieces by the hail and stripped from the trees, while corn and buck-

wheat were cut to the ground. There being little wind, these effects were due entirely to the hailstones, some of which measured over 2 inches in diameter. When the storm was over, fields were white, as if covered with snow. In some places the hail was several inches deep on the ground. Hundreds of windows were broken and even roof shingles and slates were split or cracked in large numbers. The damage amounted to several thousand dollars, although the storm did not extend beyond the vicinity of the village.

RIVER CONDITIONS.

The rivers of the district remained at low to moderate stages throughout the month, except in the Susquehanna and upper Potomac watersheds, where the rainfall was heavier than elsewhere. However, no floods occurred on the principal streams and there was but little damage from freshets in the smaller tributaries.

SUNSHINE.

There was slightly less clear weather than usual over the district as a whole, the percentage of the possible sunshine averaging 56. The total sunshine for the month in hours averaged 210, ranging from 162 at Block Island, R. I., to 242 at New York City. In the southern part of the district the amount of clear weather was unusually small, the percentage of possible sunshine at Washington, D. C., being only 45. The number of days with 80 per cent or more of the possible sunshine averaged 8, and the number with 20 per cent or less, 6.

TABLE 1.—Climatological data for September, 1911. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Maine.																				
Bar Harbor.	Hancock.	20	25	56.0	-2.6	80	20	30	14†	30	+1.47	1.30	0	14	14	3	13	se.	William Miller.	
Cornish.	York.	778	56	59.6	+0.8	88	2	27	29	41	+1.73	1.58	0	11	12	11	7	nw.	T. H. West.	
Eastport.	Washington.	53	39	54.4	-0.8	73	20	35	29	20	-0.30	0.73	0	15	6	11	13	s.	U. S. Weather Bureau.	
Fairfield.	Somerset.	90	26	56.2	-1.5	80	2	30	14†	31	-0.85	0.52	0	8	12	8	10	..	E. F. Parker.	
Farmington.	Franklin.	450	14	56.4	-1.7	84	2	25	14	39	-0.26	0.62	0	14	10	11	9	nw.	W. G. Mallett.	
Gardiner.	Kennebec.	163	19	57.4	-2.4	82	2	30	14†	34	-0.85	+1.39	1.52	0	15	1	14	nw.	Samuel D. Soule.	
Greenville.	Piscataquis.	1,000	7	52.6	..	78	2	27	14	35	3.89	1.08	0	2	16	..	..	..	U. S. Weather Bureau.	
Houlton.	Aroostook.	362	9	51.0	..	84	20	28	14†	33	3.85	0.90	1.0	0	15	7	8	w.	Bangor & Aroostook R. R.	
Lewiston.	Androscoggin.	185	37	58.6	-0.6	86	2	33	14	32	1.38	+0.35	1.26	0	13	11	9	s.	Union Water Power Co.	
Madison.	Somerset.	257	8	54.6	..	83	3	26	29	34	3.86	0.88	0	12	21	1	8	nw.	William Jardine.	
Millinocket.	Penobscot.	386	8	54.2	..	76	2†	28	15†	37	2.73	0.68	T.	..	13	11	7	nw.	H. S. Ferguson.	
North Bridgton.	Cumberland.	450	18	59.2	-0.6	85	2	30	14	35	3.63	-0.31	0.86	0	13	12	9	9	sw.	G. E. Chadbonne.
Orono.	Penobscot.	129	42	57.2	+0.1	81	4	25	14†	40	3.03	-0.50	0.86	0	12	2	15	13	nw.	Agr. Exp. Station.
Patten.	..	550	9	51.8	..	75	5†	22	15	41	6.75	1.62	T.	..	12	12	..	..	..	Bangor & Aroostook R. R.
Portland.	Cumberland.	99	40	57.8	-1.8	82	25	37	29	31	2.84	-0.36	0.52	0	14	12	11	9	nw.	U. S. Weather Bureau.
Presque Isle.	Aroostook.	2	52.2	..	78	24	24	29	40	3.29	+0.14	0.83	0	12	11	5	14	s.	S. L. Merriman.	
Rumford Falls.	Oxford.	505	18	55.6	-2.2	81	2	30	14	32	3.20	..	0.60	T.	14	14	10	6	nw.	Charles A. Mixer.
Winslow.	Kennebec.	90	16	57.9	..	83	2	27	14	36	3.60	..	0.80	0	14	14	10	6	s.	Hollingsworth & Whitney Co.
New Hampshire.																				
Alstead center.	Cheshire.	1,120	7	57.0	..	82	2	31	14	26	4.05	..	1.08	0	14	20	4	6	nw.	Frank Dewing.
Benton.	Grafton.	2	54.7	..	80	2	27	14	30	3.20	..	0.68	T.	10	17	7	6	nw.	State Sanatorium.	
Bethlehem.	..	1,470	19	54.6	-1.9	81	2	26	14	31	3.25	-0.42	0.58	.5	12	19	5	6	nw.	Benjamin Tucker.
Concord.	Merrimack.	350	51	58.0	-1.1	86	2	29	14	33	2.93	-0.28	0.73	T.	13	7	17	6	nw.	U. S. Weather Bureau.
Durham.	Stafford.	88	16	58.3	-2.2	85	25	30	14†	33	3.09	-1.27	0.65	0	9	7	6	17	ne.	Agr. Exp. Station.
Franklin.	Merrimack.	440	12	58.9	..	85	2†	29	14	36	3.84	..	0.80	T.	16	18	7	5	nw.	Dr. C. P. Webster.
Grafton.	Grafton.	863	25	63.6	-3.3	82	25	23	14	37	3.44	+0.40	0.89	1.0	9	9	2†	7	nw.	P. R. Kimball.
Hanover.	..	603	77	56.0	-1.8	85	2	26	15	36	3.47	+0.63	0.95	T.	12	4	17	9	sw.	Dartmouth College.
Keene.	Cheshire.	506	26	58.6	-0.5	86	2	25	14	40	4.32	+0.31	0.95	T.	15	8	7	7	nw.	Samuel Wadsworth.
Nashua.	Hillsboro.	125	26	60.9	-0.2	88	2	31	14	34	2.40	-0.97	0.70	0	8	10	15	5	nw.	Jackson Company.
Newton.	Rockingham.	23	57.8	-2.3	85	2	25	14	37	2.14	-1.45	0.62	T.	13	18	3	9	nw.	W. C. Gale.	
Plymouth.	Grafton.	500	23	55.8	-1.6	84	2	26	14	34	5.25	+1.71	0.89	T.	13	18	3	9	w.	Hattie G. Trow.
Vermont.																				
Bloomfield.	Essex.	4	54.4	..	80	19	25	29	35	3.89	..	0.94	T.	13	15	7	8	s.	Lyman Falls L. & P. Co.	
Cavendish.	Windham.	910	8	57.2	..	86	2	26	14	38	4.86	..	0.88	0	16	13	9	7	w.	Marietta A. Kingsbury.
Chelsea.	Orange.	840	16	54.5	-1.7	83	2	23	14	37	3.89	+0.88	0.80	0	12	14	5	11	n.	W. F. Dewey.
Jacksonville.	Windham.	1,000	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manchester.	Bennington.	980	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	N. M. Canfield.
St. Johnsbury.	Caledonia.	711	18	57.2	-0.2	83	2	27	14	36	4.32	+1.07	0.75	0	15	15	7	8	s.	Fairbanks Museum.
Woodstock.	Windham.	700	19	53.8	-2.9	78	25	26	14	35	4.19	+1.46	1.22	0	8	6	13	11	..	John S. Eaton.
Massachusetts.																				
Amherst.	Hampshire.	222	22	60.4	+0.2	84	2	29	14	38	3.41	-0.12	0.76	0	11	13	8	9	ne.	Agr. Exp. Station.
Blue Hill.	Norfolk.	640	27	60.2	-0.8	81	2†	34	14	26	3.36	-1.14	1.07	0	16	10	10	10	nw.	Blue Hill Observatory.
Boston.	Suffolk.	124	41	62.5	-0.2	85	2	43	29	25	2.95	-0.24	1.12	0	10	10	7	13	nw.	U. S. Weather Bureau.
Chestnut Hill.	..	124	31	62.2	-0.7	85	2	34	14	33	3.59	+0.32	1.53	0	9	20	1	9	..	Met. Water Board.
Clinton.	Worcester.	370	15	60.0	..	81	2	34	14	35	2.98	..	0.74	0	10	..	..	..	..	Do.
Concord.	Middlesex.	139	21	58.8	-1.3	84	2	28	14	33	3.16	+0.06	0.74	0	14	10	9	11	n.	Fred A. Tower.
Fall River.	Bristol.	200	45	62.4	-1.5	79	6	30	14	34	2.92	-1.81	0.65	0	11	5	20	5	n.	C. V. S. Remington.
Fitchburg.	Worcester.	550	28	60.4	-0.7	84	2	34	14†	30	2.37	-1.32	0.53	0	10	17	6	7	nw.	Dr. A. P. Mason.
Framingham.	Middlesex.	160	31	60.7	-1.3	84	2	30	14	35	2.73	-0.40	0.58	0	9	..	..	..	..	Met. Water Board.
Hyannis.	Barnstable.	31	61	61.2	-3.4	76	12	43	29	18	3.25	+0.75	0.55	0	13	12	7	11	ne.	C. F. Sleeper.
Lawrence.	Essex.	51	27	60.5	-1.3	83	2	34	14	30	2.10	-1.28	0.56	0	10	9	17	4	sw.	Essex Co.
Lowell.	Middlesex.	100	26	63.4	+1.4	85	2	33	14	36	2.59	-0.77	0.64	0	8	..	..	..	..	Props. Locks & Canals.
Middleboro.	Plymouth.	53	25	60.1	-0.8	82	6	30	29	31	2.96	-1.03	0.56	0	14	5	8	17	n.	A. R. Gurney.
Monson.	Hampden.	420	27	60.0	-0.4	84	2	30	14	32	4.47	+1.19	1.05	0	13	17	8	9	n.	Dr. G. E. Fuller.
Nantucket.	Nantucket.	15	25	61.2	-1.6	75	12	46	14†	18	3.34	+0.61	0.73	0	13	8	9	13	ne.	U. S. Weather Bureau.
New Bedford.	Bristol.	88	99	62.0	+0.1	78	6†	38	14	25	2.93	-0.61	0.97	0	8	15	12	12	ne.	City engineer.
Norfolk.	Plymouth.	244	59	59.2	..	84	2	21	14	43	5.72	..	1.54	0	10	12	11	7	e.	Ruby H. Martyn.
Plymouth.	Plymouth.	26	58.8	..	76	7	38	14	29	3.48	..	0.92	0	12	13	6	11	e.	Laura B. Knapp.	
Provincetown.	Barstable.	40	24	60.4	-3.4	75	12	42	29	18	4.43	+1.17	1.53	0	12	12	0	..	..	Gideon Bowley.
Rockport.	..	25	9	59.7	..	78	6	40	29	19	3.50	..	0.70	0	9	10	10	10	nw.	C. F. P. Bearse.
Rutland.	Essex.	1,160	9	59.0	..	80	2	36	14	36	3.07	..	0.68	0	12	15	8	7	sw.	State Sanatorium.
South Egremont.	Worcester.	764	9	54.6	..	76	6	27	14	30	3.85	..	1.20	0	11	..	..	..	..	Roscoe C. Taft.
Turners Falls.	Berkshire.	200	20	59.9	-0.9	82	2†	36	14†	27	3.63	+0.21	0.82	0	9	..	..	..	..	Turners Falls Co.
Westboro.	Worcester.	298	37	63.4	+0.9	84	25	30	14	36	2.84	-0.15	0.55	0	10	..	..	..	..	G. S. Newcomb.
Williamstown.	Berkshire.	711	30	58.4	-0.6	81	2	30	14	29	4.21	+1.33	1.26	0	10	8	14	8	w.	Williams College.
Worcester.	Worcester.	518	19	60.5	-															

TABLE 1.—*Climatological data for September, 1911. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.			Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.					
					Highest.	Date.	Lowest.														
<i>New York.</i>																					
Addison.	Steuben.	1,000	21	63.2	+ 1.0	87	24	32	14	36	3.87	+ 0.96	0.83	0	14	18	7	5	sw.		
Albany.	Albany.	97	90	62.7	+ 0.4	90	12	35	14	29	2.86	- 0.32	0.77	0	12	18	5	7	s.		
Alfred.	Allegany.	1,976	16	59.4	- 0.4	80	19	26	14	41	3.34	- 0.09	0.75	0	13						
Amsterdam.	Montgomery.	277	7	56.6	-	86	2	29	14	36	3.82	-	1.00	0	9	20	3	7	w.		
Athens.	Greene.	90	9	62.7	-	86	2	35	14	27	3.19	-	1.18	0	11	10	14	6	sw.		
Ballston Lake.	Saratoga.	400	7	58.2	-	87	2	32	14	38	4.47	-	1.42	0	12	18	4	8	w.		
Bearston.	Delaware.	0																			
Bedford.	Westchester.	450	20	63.1	- 1.2	86	2	36	14	28	2.57	- 1.46	0.94	0	11	23	3	4	ne.		
Binghamton.	Broome.	875	20	60.2	+ 0.2	85	2	31	14	33	2.35	- 0.42	0.81	0	10	5	15	10	ne.		
Bouckville.	Madison.	1,350	14	58.0	- 1.7	83	2	29	14	31	4.89	+ 1.91	1.82	0	11	10	9	11	nw.		
Boys Corners.	Putnam.	500	29																		
Carmel.	do.	500	19	62.2	- 1.2	S3	3	35	14	39	2.82	- 1.97	0.49	0	10	14	2	14	ne.		
Chatham.	Columbia.	470	10	61.3	- 0.5	S5	12	32	14	29	3.14	- 0.59	0.65	0	12	13	11	6	n.		
Cooperstown.	Otsego.	1,250	57	57.6	- 0.7	S3	2	29	14	32	4.06	+ 0.64	1.15	0	13	17	7	6	s.		
Corinth.	Saratoga.	542	9																		
Cortland.	Cortland.	1,129	49																		
Cutchogue.	Suffolk.	32	34	65.2	- 0.5	S2	6	42	14	24	1.89	- 2.20	0.78	0	9	17	2	2	s.		
De Ruyter.	Madison.	1,300	8	58.2	-	S3	2	28	14	39	3.71	-	1.13	0	10	14	6	10	sw.		
Easton.	Washington.	21																			
Glens Falls.	Warren.	340	20	60.3	- 0.3	S6	2	30	14	34	4.31	- 0.69	0.79	0	13	14	2	14	n.		
Gloversville.	Fulton.	850	19	57.7	- 1.7	S4	2	28	14	35	3.88	+ 3.31	1.25	T.	14	17	7	6	w.		
Greenfield Center.	Saratoga.	314	13	50.2	- 2.0	S6	2	31	14	32	5.72	+ 1.34	1.50	0	13	16	8	6	sw.		
Greenwich.	Washington.	425	14	61.6	+ 0.2	S8	2	33	14	34	4.30	+ 0.39	0.82	0	13	17	8	5	sw.		
Griffin Corners.	Delaware.	2,260	11	58.0	- 0.3	S3	2	22	14	44	3.83	+ 0.06	1.18	0	8	13	9	8	w.		
Haskinville.	Steuben.	16																			
Homer.	Cortland.	20	58.2	+ 0.9	S3	2	29	14	33	3.87	-	1.10	0	12	16	4	10	nw.			
Hoosick Falls.	Rensselaer.	410	9																		
Indian Lake.	Hamilton.	1,705	12	54.2	- 3.0	S9	24	24	14	42	2.70	- 1.02	1.10	0	10	15	5	10	n.		
Jeffersonville.	Sullivan.	1,240	8	60.2	-	S5	2	28	14	40	3.42	-	1.68	0	8	19	5	6	w.		
Liberty.	do.	2,300	29	57.5	- 0.5	S4	5	32	14	39	4.01	+ 0.29	1.40	0	15	2	13	nw.			
Little Falls.	Herkimer.	924	13	58.6	+ 0.6	S3	2	31	14	35	6.25	+ 2.53	1.13	0	12	19	4	7	w.		
Mohonk Lake.	Ulster.	1,245	15	60.2	- 1.1	S0	24	37	14	21	3.56	- 1.46	1.32	0	10	13	8	9	nw.		
Morehouseville.	Hamilton.	1,697	3	53.9	-	S3	11	24	14	36	6.05	-	1.23	0	11	19	3	8	w.		
Morrisville.	Madison.	1,325	0	58.6	-	S4	2	28	14	38	4.86	-	1.32	0	10	18	1	11	nw.		
Mount Hope.	Westchester.	200	14	65.8	+ 1.8	S4	6	33	14	27	2.55	- 1.39	0.55	0	8	10	14	6	sw.		
Newark Valley.	Tioga.	825	24																		
New Berlin.	Chenango.	4																			
Newcomb.	Essex.	1,600	0	53.3	-	S0	5	25	14	42	4.82	-	1.40	0	6						
New Lisbon.	Otsego.	1,234	21	55.7	- 1.7	S2	2	34	14	38	2.79	- 0.93	0.73	0	11	13	8	9	nw.		
New York City.	New York.	314	86	63.6	+ 0.1	S3	6	48	14	25	1.51	- 2.08	0.52	0	11	11	11	9	w.		
North Creek.	Warren.	1,002	3	56.5	-	S1	2	28	14	47	3.82	-	0.91	0	7	17	4	9	sw.		
Northville.	Fulton.	742	9																		
Oneonta.	Otsego.	1,112	17	59.8	- 2.1	S4	2	31	14	32	2.55	- 0.95	0.78	0	8	19	3	8	nw.		
Oxford.	Chenango.	916	46	50.5	+ 0.4	S3	2	33	14	31	2.49	- 1.11	0.91	0	8	13	13	4	s.		
Pont Jervis.	Orange.	470	27	63.4	+ 0.1	S2	2	32	14	34	3.29	- 0.54	0.97	0	12	19	5	6	w.		
Rome.	Oneida.	445	15																		
Salisbury.	Herkimer.	1,526	14	55.9	- 3.3	S2	2	26	14	39	7.29	+ 3.35	1.80	0	10	16	9	5	w.		
Scarsdale.	Westchester.	200	7	65.2	-	S5	25	37	15	34	2.65	-	1.20	0	6	15	10	5	ne.		
Setauket.	Suffolk.	40	26	65.1	+ 0.1	S1	6	45	29	19	2.09	- 1.52	0.72	0	10	18	5	7	w.		
Sherburne.	Chenango.	4																			
Southampton.	Suffolk.	36	10	64.0	- 0.5	S0	3	40	14	26	2.27	- 1.00	0.68	0	7	10	17	3	ne.		
Southeast Reservoir.	Putnam.	310	6																		
Spier Falls.	Saratoga.	400	10	54.3	-	S5	4	19	15	51	4.93	-	1.36	0	12	8	13	9	sw.		
Trenton Falls.	Oneida.	751	8																		
Tribes Hill.	Montgomery.	268	8																		
Utica.	Oneida.	637	45																		
Wadding River.	Suffolk.	112	5	62.4	- 1.1	S2	24	36	14	32	3.42	- 0.58	0.84	0	12	8	13	9	sw.		
Wappingers Falls.	Dutchess.	110	21	62.4	- 1.1	S2	24	36	14	32	2.70	- 1.43	0.60	0	9	10	16	10	w.		
Warwick.	Orange.	538	17																		
Waverly.	Tioga.	S24	29	61.6	- 0.1	S9	2	28	14	40	3.06	+ 0.08	0.96	0	11	9	14	7	nw.		
Wells.	Hamilton.	1,000	13	57.2	- 2.6	S6	20	23	14	43	5.05	-	1.45	0	9	13	8	9	sw.		
West Berne.	Albany.	946	12	58.2	- 2.6	S6	2	24	14	44	3.17	+ 0.15	0.94	0	7	13	8	9	w.		
West Point.	Greene.	167	62	63.9	+ 0.9	S6	12	40	14	33	4.50	+ 0.75	1.60	0	8	18	6	6	nw.		
Windham.	Greene.	1,520	11	58.2	- 1.4	S3	2	29	14	33	3.22	- 0.15	1.08	0	11	17	9	4	nw.		
<i>Pennsylvania.</i>																					
Altoona.	Blair.	1,181	23	67.4	+ 4.4	S7	3	40	14	36	5.20	+ 2.44	2.86	0	8	15	3	12	nw.		
Bethlehem.	Northampton.	240	10	67.2	+ 1.6	S7	2	33	14	39	1.85	- 1.54	0.93	0	8	20	6	4	w.		
Clearfield.	Clearfield.	1,107	3	64.0	-	S7	8	33	14	39	5.93	-	2.00	0	7	12	8	5	w.		
Drifton.	Luzerne.	1,633	13	59.7	- 0.8	S1	2	31	14	26	4.07	+ 0.12	1.15	0	12	18	7	5	w.		
Emporium.	Cameron.	1,050	24	62.0	- 0.2	S3	2	34	14	32	6.14	+ 2.79	1.43	0	11	14	10	6	w.		
Ephrata.	Lancaster.	384	11	63.6	- 2.9	S9	2	36	14	34	3.97	+ 0.49	1.07	0	9	15	8	7	w.		
Everett.	Bedford.	1,080	13	65.8	+ 2.6	S7	2	37	14	32	6.13	+ 3.49	1.75	0	9	15	0	0	w.		
George School.	Ducks.	184	4	66.2	-	S5	3	36	14	32	2.61	-	0.88	0							

TABLE 1.—Climatological data for September, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Pennsylvania—Contd.</i>																				
Selinsgrove.....	Snyder.....	455	23	65.5	+ 0.7	87	2	36	14	40	1.96	+ 1.50	1.45	0	10	0	24	6	sw.	J. M. Boyer, C. E.
State College.....	Center.....	1,191	23	63.7	+ 0.8	85	4	36	14	37	5.41	+ 2.58	1.73	0	12	0	15	6	sw.	Prof. Wm. Frear.
Towanda.....	Bradford.....	754	16	62.4	- 0.2	84	2	34	14	33	3.37	+ 0.44	1.12	0	10	15	6	9	sw.	Hiram E. Bull, C. E.
Wellshoro.....	Tioga.....	1,327	34	62.2	+ 2.5	85	2	30	14	37	3.88	+ 1.24	0.96	0	8	16	9	5	sw.	O. L. White.
West Chester.....	Chester.....	455	57	67.2	+ 2.0	86	25	42	14	23	3.01	- 0.44	1.50	0	12	15	5	10	nw.	J. C. Green, D. D. S.
Williamsport.....	Lycoming.....	530	21	66.6	+ 2.6	88	11	37	14	37	3.49	+ 0.28	1.67	0	6	19	0	11	se.	Henry H. Guise.
<i>New Jersey.</i>																				
Ashbury Park.....	Monmouth.....	22	23	68.2	+ 1.3	87	25	45	14	31	2.53	- 0.71	1.11	0	8	11	12	7	sw.	B. H. Obert.
Atlantic City.....	Atlantic.....	16	38	68.0	+ 1.4	88	6	46	14	23	3.02	- 0.03	1.19	0	10	9	9	12	n.	U. S. Weather Bureau.
Bayonne.....	Hudson.....	50	21	67.2	+ 1.4	86	25	42	14	25	1.90	- 1.99	0.63	0	10	10	12	8	nw.	John H. Eadie.
Belvidere.....	Warren.....	289	20	65.0	- 1	84	2	36	14	30	2.37	- 1.55	0.98	0	9	10	14	6	n.	Samuel J. Hixson.
Boonton.....	Morris.....	413	21	68.6	+ .4	89	3	42	14	28	2.63	- 1.86	0.88	0	8	9	10	7	n.	Foster Peer.
Bridgeton.....	Cumberland.....	30	30	68.6	+ 1.4	89	3	42	14	28	3.20	- 1.25	0	6	10	11	9	nw.	Henry A. Jorden.	
Burlington.....	Burlington.....	12	27	68.6	+ 1.4	88	2	42	14	28	2.85	- 1.07	1.04	0	10	12	13	5	nw.	D. S. B. McCoy.
Canton.....	Salem.....	24	17	69.4	+ 1.4	86	6	45	14	23	2.32	- 1.47	0.90	0	4	9	14	7	n.	John H. Maskell.
Cape May City.....	Cape May.....	17	27	69.4	+ 1.4	86	6	45	14	23	1.08	- 1.92	0.55	0	6	11	16	3	ne.	U. S. Weather Bureau.
Charlotteburg.....	Passaic.....	719	19	63.0	+ .7	83	2	31 ^a	14	38 ^a	3.04	- 1.64	0.89	0	8	12	11	7	se.	George S. Briggs.
Chatham.....	Morris.....	224	9	67.4	+ 1.7	85	3	41	14	28	3.80	- 1.90	0	9	9	10	8	nw.	M. A. Butler.	
Clayton.....	Gloucester.....	126	18	67.4	+ 1.7	85	3	41	14	28	4.16	+ 0.14	1.29	0	7	10	13	7	n.	William T. Farley.
College Farm.....	Middlesex.....	100	20	66.7	+ .5	86	25	38	14	30	2.28	- 1.34	0.77	0	9	11	8	11	nw.	George B. Thrasher.
Culvers Lake.....	Sussex.....	848	10	67.0	+ 1.0	86	3	40 ^a	14	31	4.21	- 1.27	1.11	0	11	9	16	5	w.	Brice E. Riker.
Dover.....	Morris.....	600	27	61.4	- 1.2	84	2	34 ^a	14	30 ^a	2.90	- 1.58	0.94	0	10	10	12	8	n.	William C. Harris.
Elizabeth.....	Union.....	33	32	67.2	+ 2.3	85	2 ^b	44 ^a	14	27 ^a	1.99	- 2.07	0.72	0	9	11	12	7	w.	William M. Oliver.
Flemington.....	Hunterdon.....	187	23	66.6	+ 1.5	88	25	39	14	31	2.60	- 1.38	0.89	0	10	10	14	6	n.	Hiram E. Deats.
Haddonfield.....	Camden.....	75	24	67.0	+ 1.0	86	3	40 ^a	14	31	2.47	- 1.27	1.11	0	11	9	16	5	n.	Charles F. Richardson.
Hammonton.....	Atlantic.....	103	13	66.8	+ .2	88	6	36	14	33	5.33	+ 1.67	2.23	0	9	10	11	9	n.	Orville Bassett.
Hightstown.....	Mercer.....	119	19	66.8	+ .2	88	6	36	14	33	2.63	- 1.25	0.88	0	10	11	9	10	n.	Ernst Wenger.
Highwood.....	Bergen.....	90	22	64.4	+ 2.5	86	25	34	14	30	2.42	- 1.76	0.74	0	9	8	10	8	n.	Charles J. Bates.
Indian Mills.....	Burlington.....	76	22	67.0	+ .9	88	6 ^b	37	14	34	4.44	+ 0.27	1.30	0	12	10	12	8	n.	James Armstrong.
Jersey City.....	Hudson.....	15	13	68.2	+ 1.0	88	25	42	14	25	1.76	- 1.95	0.66	0	7	7	17	6	n.	Samuel K. Pearson, Jr.
Lakewood.....	Ocean.....	54	9	65.6	+ .2	84	6	41	14	26	3.19	-	1.09	0	11	9	10	11	n.	Ralph Robertson.
Lambertville.....	Hunterdon.....	95	25	66.7	+ .7	86	25	38	14	34	3.51	- 0.67	1.46	0	9	10	14	6	se.	William R. Bowe.
Layton.....	Sussex.....	550	12	62.6	+ .8	85	2	30	14	34	2.76	- 1.11	1.10	0	7	11	14	5	sw.	Warren C. Huns.
Little Falls.....	Passaic.....	175	8	69.0	+ .2	88	2	36	14	34	2.11	-	0.73	0	7	7	7	7	w.	A. Sweetman.
Mahwah.....	Bergen.....	312	9	67.5	+ 1.5	86	25	40	14	27	2.60	-	0.90	0	6	7	7	7	n.	Charles L. Barker.
Moorestown.....	Burlington.....	71	49	67.5	+ 1.5	86	25	40	14	27	2.96	- 0.80	1.15	0	11	11	12	7	n.	John C. Beans.
Newark.....	Essex.....	140	68	67.2	+ 1.3	87	25	40	14	27	1.50	- 2.29	0.80	0	8	10	13	7	n.	Prof. William Wiemer.
New Brunswick.....	Middlesex.....	61	58	67.0	+ 1.0	88	6	36 ^a	14	34 ^a	2.19	- 1.66	0.82	0	8	11	11	8	w.	William L. Woerner.
Newton.....	Sussex.....	678	32	64.0	+ 1.4	85	2	34	14	33	2.50	- 1.09	1.00	0	10	12	10	8	w.	F. Vernon Losee.
Northfield.....	Atlantic.....	4	40	65.6	- 1.6	86	25	39	14	29	3.40	-	1.49	0	10	7	12	7	n.	William L. Flick.
Paterson.....	Passaic.....	80	40	65.6	- 1.6	86	25	39	14	29	2.52	- 1.92	0.82	0	7	9	16	5	nw.	Heber A. Probert.
Phillipsburg.....	Warren.....	363	14	65.0	- 1.4	88	22	36	14	27	2.65	- 1.13	0.89	0	9	10	14	6	w.	D. W. Smith.
Plainfield.....	Union.....	100	25	66.1	+ .9	87	25	37	14	30	2.61	- 1.84	0.87	0	10	11	12	7	sw.	John Neagle.
Pleasantville.....	Atlantic.....	26	13	68.4	+ 1.9	88	2	32	14	33	3.95	+ 0.54	1.44	0	7	10	12	8	n.	Lincoln Van Gilder.
Pompton Plains.....	Morris.....	195	9	67.0	+ 1.1	88	25	40	14	34	2.97	-	0.84	0	10	7	11	7	n.	M. S. Taylor.
Rivervale.....	Bergen.....	70	20	66.9	+ 1.6	90	2	37	14	32	2.85	- 1.52	1.40	0	7	12	11	7	nw.	Garrett S. M. Holdrum.
Somerville.....	Somerset.....	76	28	66.9	+ 1.6	90	2	37	14	32	2.43	- 1.23	0.85	0	8	11	12	7	nw.	Peter Hardcastle.
South Orange.....	Essex.....	200	41	64.7	+ 0.6	88	25	42	14	22	1.44	- 2.65	0.67	0	7	10	13	7	w.	Dr. William J. Chandler.
Sussex.....	Sussex.....	442	21	63.7	- 0.2	85	2	32	14	33	3.13	- 0.78	0.89	0	10	10	12	8	sw.	George Dymock.
Tuckerton.....	Ocean.....	23	18	67.0	+ 1.0	86	3	39	14	29	2.47	+ 1.11	1.95	0	10	11	9	10	sw.	Frank R. Austin.
Vineland.....	Cumberland.....	118	42	68.0	+ 1.1	88	25	40	14	31 ^a	4.00	+ 0.16	1.54	0	7	10	12	8	nw.	Alfred Chalmers.
Woodbine.....	Cape May.....	43	20	67.6	+ 1.3	87	3	40 ^a	14	32 ^a	3.16	- 0.57	1.14	0	7	12	6	12	n.	Prof. H. A. Dodge.
<i>West Virginia.</i>																				
Bayard.....	Grant.....	2,500	10	63.3	+ 2.6	85	8	32	14	38	4.87	+ 2.05	1.43	0	13	13	10	7	w.	Solomon Clark.
Burlington.....	Mineral.....	875	17	65.6 ^a	+ 0.6	89	2	38	14	36 ^a	4.30	+ 1.49	1.30	0	6	6	6	1 ^d	w.	J. W. Vandiver.
Franklin.....	Pendleton.....	5	5	65.4	+ 1.4	84	7	40	14	28	3.47	-	1.34	0	9	16	10	4	n.	A. A. Martin.
Lost City.....	Hardy.....	5	5	65.4	+ 1.8	89	2 ^b	42	14	34	4.02	+ 1.47	1.60	0	8	17	8	5	s.	B. D. Hinegardner.
Martinsburg.....	Berkeley.....	435	19	68.3	+ 1.8	89	2 ^b	42	14	34	5.58	+ 3.07	1.89	0	8	5	23	1	sw.	G. W. Van Metre, C. E.
Moorefield.....	Hardy.....	900	15	70.5	+ 4.2	92	2 ^b	41	14	36	3.58	+ 1.17	0.87	0	10	10	13 ^e	3 ^d	w.	John C. Fisher.
Romney.....	Hampshire.....	824	14	68.0 ^a	+ 1.7	93	1	40	14	37 ^a	3.59	+ 0.62	1.10	0	8	2	24 ^a	3 ^c	w.	John C. Linthicum.
Upper Tract.....	F pendleton.....	1,230	14	68.0 ^a	+ 1.7	89	2	36	14	36 ^a	2.39	+ 0.26	1.10	0	8	2	24 ^a	3 ^c	w.	J. M. Mallow.
<i>Maryland.</i>																				
Annapolis.....	Anne Arundel.....	45	33	73.2	+ 3.5	89	3	54	14	29	0.92	- 3.18	0.48	0	5	15	3	12	s.	U. S. Naval Academy.
Baltimore.....	Baltimore.....	115	41	70.4	+ 1.8	89	25	49	14	24	1.60	- 2.25	0.79	0	7	13	8	5	n.	U. S. Weather Bureau.

TABLE 1.—*Climatological data for September, 1911. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmailed.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.				
Maryland—Continued.																					
Princess Anne.....	Somerset.....	17	18	69.0	+ 0.8	87	3	42	14	30	1.85	- 1.09	0.95	0	6	6	17	7	sw.	J. R. Stewart.	
Rockville.....	Montgomery.....	421	4	71.6	.....	92	3	41	14	31	1.66	.....	0.47	0	7	9	20	1	e.	Dr. G. E. Lewis.
Salisbury.....	Wicomico.....	23	6	71.6	+ 1.6	95	3	53	14	24	2.54	- 0.24	1.60	0	7	3	9	18	w.	W. E. Downing.	
Solomons.....	Calvert.....	20	20	73.3	+ 1.6	84	2†	41	14	25	3.09	.....	1.41	0	12	19	6	5	ne.	Dr. W. H. Marsh.
State Sanatorium.....	Frederick.....	1,200	3	67.3	.....	88	3	46 ^a	27	31	2.15	- 2.33	1.12	0	5	19	3	8	sw.	Joseph V. Shimek.
Sudlersville.....	Queen Annes.....	65	12	70.4 ^a	+ 1.9	85	3†	44	14	25	2.94	- 1.41	0.80	0	12	1	22	7	n.	Jas. E. Hignan.	
Takoma Park.....	Montgomery.....	320	13	67.3	+ 0.1	85	3†	44	14	25	2.94	.....	1.41	0	12	13 ^a	2 ^a	7	sw.	L. M. Mooers.
Taneytown.....	Carroll.....	450	12	68.8 ^a	.....	92 ^a	7	45 ^a	27	26 ^a	3.27	- 0.02	1.50	0	5	11 ^a	18 ^a	5 ^a	e.	James B. Galt.
Towson.....	Baltimore.....	465	3	68.8	.....	88	15	40	14	34	1.99	.....	0.77	0	8	18	7	5	se.	C. W. E. Treadwell.
Van Bibber.....	Harford.....	100	14	68.0 ^b	+ 0.7	89 ^b	3	42 ^b	14	32	1.20	- 3.39	0.86	0	4	21 ^b	1 ^b	6 ^b	sw.	W. Benj. Ford.	
Westernport.....	Allegany.....	1,000	17	68.6	+ 2.8	90	2†	40	14	34	3.88	+ 1.46	1.20	0	10	Prof. O. H. Bruce.
Westminster.....	Carroll.....	860	18	.....	.....	40	14	.....	.....	1.93	- 1.98	1.00	0	8	16	10	4	w.	Prof. Geo. F. Morelock.	
Woodstock.....	Baltimore.....	392	37	71.9	+ 6.2	86	26	41	14	36	3.08	- 0.58	1.04	0	8	18	3	9	nw.	Rev. A. J. Donlon, S. J.	
Delaware.																					
Delaware City.....	New Castle.....	20	9	68.6	.....	85	2†	49	14	28	2.10	.....	1.04	0	4	23	3	4	s.	H. Morton Price
Dover.....	Kent.....	40	23	69.6	+ 1.8	89	25	43	14	29	2.68	- 1.28	0.77	0	6	10	12	8	nw.	Thos. F. Dunn.	
Milford.....	do.....	20	27	70.2	+ 2.1	89	20	44	14	30	2.02	- 2.02	0.48	0	8	15	10	5	nw.	Chas. J. Holzmuller.	
Millsboro.....	Sussex.....	20	19	69.6	+ 1.0	91	3†	41	14	32	1.67	- 1.66	0.64	0	5	16	1	13	se.	Rev. L. W. Wells.	
Seaford.....	do.....	40	18	70.0	+ 1.6	85	3	45	14	28	1.55	- 1.63	0.67	0	9	19	7	4	se.	E. B. Brown.	
District of Columbia.																					
Washington.....	Dist. of Columbia.....	112	41	70.4	+ 2.3	89	7	46	14	25	2.03	- 1.56	1.09	0	9	8	11	11	n.	U. S. Weather Bureau.	
Virginia.																					
Culpeper.....	Culpeper.....	450	3	70.0	.....	89	3	42	14	26	3.23	.....	1.28	0	8	7	20	3	se.	Col. H. C. Burrows.
Dale Enterprise.....	Rockingham.....	1,350	32	67.6	+ 1.0	90	25	35	14	35	1.72	- 1.82	.55	0	11	7	17	6	s.	Rev. L. J. Heatwole.	
Doswell.....	Hanover.....	134	10	71.4	.....	90	6	42	14	31	1.99	.....	1.56	0	3	.....	.....	.....	sw.	Rich., Fdkshg. & Pot. R. R.
Eastville.....	Northampton.....	15	1	74.3	+ 3.1	93	3	46	14	29	1.85	- 1.83	.56	0	7	16	9	5	sw.	T. B. Robertson.	
Fredericksburg.....	Spotsylvania.....	100	22	71.2	+ 2.0	92	3	44	14	27	3.16	- .05	1.12	0	12	14	11	5	s.	S. G. Howison.	
Lincoln.....	Loudoun.....	500	10	70.0	+ 2.2	91	7†	40	14	35	2.44	- .56	1.38	0	8	14	12	4	nw.	Dr. Geo. Roberts.	
Mount Weather.....	do.....	1,726	7	65.4	+ 3.0	81	25	43	14	29	1.43	- 1.42	.95	0	6	7	15	8	se.	U. S. Weather Bureau.	
Quantico.....	Prince William.....	16	14	72.1	+ 3.7	89	4	44	14	29	2.79	.....	2.43	0	3	19	8	3	ne.	Rich., Fdkshg. & Pot. R. R.
Staunton.....	Augusta.....	1,380	19	69.7	+ 1.6	89	5	42	14	30	3.16	- .14	.61	0	12	11	13	6	sw.	Ernest Nothnagle.	
Woodstock.....	Shenandoah.....	927	15	69.7	+ 2.0	92	25	40	14	36	1.49	- 1.12	.43	0	11	15	12	3	w.	Mrs. A. G. Artz.	

*, b, *, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for September, 1911. District No. 1, North Atlantic States.*

TABLE 2.—*Daily precipitation for September, 1911. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																													Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
<i>Rhode Island.</i>																																	
Block Island	Coast																																2.03
Bristol	do																															1.46	
Greene	do	.06																														2.29	
Hope Valley	do	.09																														2.05	
Kingston	do	.10																														2.31	
Narragansett Pier	do	.16																														3.26	
Pawtucket	do																															2.01	
Providence	do																															2.01	
Walling Lake	do																															3.27	
<i>Connecticut.</i>																																	
Bridgeport	Coast	.03																														2.69	
Canton	Connecticut																															4.98	
Colchester	Coast	.10																														2.78	
Cream Hill	Housatonic																															3.86	
Danielson	Coast	.75																														3.60	
Falls Village	Housatonic																															3.43	
Hartford	Connecticut																															2.00	
Hawleyville	Housatonic																															2.24	
Lake Konomoc	Coast	1.30																														3.58	
New Haven	do																															2.33	
New London	do																															2.27	
N. Grosvenor Dale	do	.13																														3.06	
Norwalk	do																															3.29	
Southington	do	.10																														2.15	
South Manchester	Connecticut																															1.18	
Storrs	Coast																															2.94	
Vouton	do																															2.27	
Wallingford	do																															2.24	
Waterbury	Housatonic																															5.05	
West Simsbury	Connecticut																																
<i>New York.</i>																																	
Addison	Susquehanna																															3.87	
Albany	Hudson	T.	T.																													2.86	
Alfred	Susquehanna	.07																														3.34	
Amsterdam	Mohawk	10	.15																													3.82	
Athens	Hudson	T.																														3.19	
Bainbridge	Susquehanna																																
Ballston Lake	Hudson	T.	.01	.07																													4.47
Bedford	Coast	.03																														2.57	
Beerston	Hudson																																
Binghamton	Susquehanna																															3.85	
Blue Ridge	Hudson		.07																													3.50	
Buckville	Susquehanna	12	.12																													3.26	
Carmel	Hudson																															1.89	
Chatham	do																															3.71	
Cooperstown	Susquehanna	11	.75																													3.14	
Corinth	Hudson	1.25																														4.06	
Cortland	Susquehanna	.14																														3.26	
Cutchogue	Coast	.10																														1.89	
De Ruyter	Susquehanna	T.	.21	.13																												3.71	
Easton	Hudson																																
Glens Falls	do	.03	.07	.63																												4.31	
Gloversville		.20	.43																													6.88	
Greene	Susquehanna																															2.76	
Greenfield Center	Hudson																															5.72	
Greenwich	do																															4.30	
Griffis Corners	Delaware																															3.83	
Hancock	do																															4.47	
Haskinville	Susquehanna	.18																														2.55	
Homer	do	T.	.30																													3.87	
Hoosick Falls	Hudson																															4.99	
Indian Lake	do		.27																													2.70	
Jeffersonville	Delaware		.05																													3.42	
Knowellhurst	Hudson																															4.31	
Liberty	Delaware		</																														

TABLE 2.—*Daily precipitation for September, 1911. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for September, 1911. District No. 1—Continued.*

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.
Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1911. District No. 1, North Atlantic States.

Date.	Maine.										Concord, N. H.	Massachusetts.								Provi- dence, R. I.	Connecticut.							
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.			Amberst.		Boston.		Middle- boro.		Nantucket.			Cream Hill.		Hartford.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.				
1....	65	52	67	49	71	50	69	52	67	42	71	53	77	53	78	53	74	54	67	58	77	54	72	49	78	55		
2....	72	55	78	54	80	47	79	60	69	49	81	52	86	53	84	58	85	64	81	53	82	63	80	57	83	63		
3....	71	53	66	54	79	60	76	57	68	47	72	50	76	52	79	53	81	64	81	63	73	60	74	56	79	61		
4....	68	48	65	46	81	41	70	50	68	37	68	43	72	43	78	46	76	59	75	45	72	58	76	48	76	52		
5....	66	48	72	40	73	38	70	50	74	44	74	42	76	46	76	47	77	59	75	47	71	58	73	52	76	53		
6....	66	54	66	55	73	58	79	57	64	43	72	53	70	57	80	62	84	64	82	60	71	61	83	65	76	54		
7....	62	48	60	38	73	37	62	50	60	35	66	43	68	50	62	56	65	57	68	55	65	68	79	49	68	50		
8....	62	48	64	39	78	38	56	52	68	28	59	48	57	53	58	53	61	56	63	54	64	59	62	58	49	60	56	
9....	56	46	53	42	75	47	57	54	61	34	58	53	58	54	63	58	64	56	69	60	64	59	58	59	55	59	55	
10....	70	53	69	49	70	53	70	55	68	48	73	53	77	53	81	57	80	61	80	59	74	62	80	62	72	51	81	59
11....	70	52	72	52	79	49	74	55	73	48	74	50	78	49	74	52	75	63	79	50	68	61	74	60	70	50	73	59
12....	64	51	62	48	78	55	73	49	66	45	66	50	74	47	76	52	78	63	79	66	75	59	77	54	79	54	79	54
13....	52	42	48	36	73	39	54	41	61	32	51	35	55	35	56	37	56	45	66	40	59	51	55	44	61	37	57	42
14....	53	36	52	27	57	25	59	37	55	27	57	30	61	29	67	29	63	41	62	31	58	46	62	38	60	32	64	37
15....	54	43	52	30	60	30	58	45	55	25	55	32	56	33	62	38	62	48	60	34	64	46	64	44	57	38	64	46
16....	55	52	68	44	64	48	63	55	68	45	71	52	79	54	81	60	88	59	75	57	66	58	73	59	78	46	79	62
17....	61	54	68	51	66	47	60	54	69	54	68	50	67	48	72	52	64	57	64	56	65	66	79	56	72	55	79	55
18....	62	54	70	51	69	52	67	54	69	33	70	52	72	50	76	52	69	58	65	55	61	58	68	81	54	73	56	
19....	61	54	69	53	72	52	65	55	74	50	76	58	80	58	80	54	65	58	65	55	61	57	71	58	78	57	78	57
20....	73	56	70	53	76	56	77	55	72	58	72	52	76	52	80	52	75	56	78	48	71	57	80	56	74	56	79	56
Mns.	60.6	48.2	62.4	42.9	70.1	44.2	65.8	49.9	64.4	39.9	65.2	45.9	69.6	46.4	71.5	49.2	69.9	55.2	70.3	49.9	66.4	56.0	71.0	54.1	70.4	49.1	71.9	53.7

Date.	New Haven, Conn.		New York.										Pennsylvania.										Atlantic City, N. J.					
			Addison.		Albany.		Binghamton.		Indian Lake.		Little Falls.		New York.		Everett.		Harrisburg.		Philadelphia.		Scranton.		State College.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
1....	77	56	85	56	77	57	80	57	72	43	76	53	76	50	81	56	81	58	78	58	79	57	80	58	82	54	78	58
2....	82	63	87	51	90	61	85	57	79	45	83	53	81	64	87	55	85	62	84	65	86	57	82	56	85	51	76	68
3....	80	62	77	57	79	60	73	50	76	48	75	56	81	67	79	47	83	65	86	66	75	55	81	59	80	58	87	69
4....	75	55	79	44	74	52	72	45	74	37	73	48	75	63	75	53	76	54	76	61	75	48	79	54	82	73	60	
5....	77	54	70	45	76	55	72	45	74	37	73	48	75	63	75	53	76	58	79	60	73	51	78	43	80	66	78	60
6....	84	68	85	62	80	64	77	62	68	55	71	60	83	68	80	66	82	68	85	71	79	67	80	60	88	72	80	68
7....	71	62	70	59	64	56	64	59	57	41	61	51	74	62	85	61	82	67	76	67	69	64	75	62	70	58	75	69
8....	68	58	70	58	60	52	66	60	55	44	55	48	69	61	82	65	70	66	74	64	67	60	77	61	72	68	72	68
9....	65	55	80	62	64	55	71	58	60	49	62	50	68	60	76	65	68	62	76	64	72	59	70	65	78	62	77	68
10....	82	61	83	60	80	59	78	57	73	50	73	56	82	62	77	62	83	65	78	67	79	62	80	68	80	58	78	67
11....	75	60	85	60	76	60	79	59	77	45	76	54	76	66	83	61	88	78	86	66	80	61	81	62	82	55	75	66
12....	82	55	74	57	75	50	71	45	70	51	67	49	74	56	80	60	80	59	74	51	77	57	73	57	85	62	76	62
13....	58	43	63	40	59	56	42	37	54	32	54	36	61	50	71	49	62	51	63	52	55	41	57	44	59	38	62	52
14....	62	39	68	32	62	33	62	31	62	24	64	31	63	43	66	37	63	46	66	46	65	34	66	36	66	30	64	46
15....	64	52	70	52	63	50	61	52	60	30	59	44	64	56	72	54	64	56	66	57	64	52	68	43	66	50	70	62
16....	79	63	84	57	83	61	80	55	76	34	78	55	76	62	78	66	81	63	78	66	78	58	77	51	81	51	72	63
17....	74	57	83	50	76	55	77	48	75	37	76	50	78	63	81	49	82	58	80	63	78	51	78	54	82	45	72	60
18....	74	57	79	49	76	55	74	48	75	38	75	50	74	60	71	60	72	59	74	62	74	57	71	58	76	48	70	60
19....	80	57	85	52	78	52	80	47	79	39	80	49	78	58	80	54	79	57	74	61	77	52	78	49	82	47	73	58
20....	81	59	77	45	76	59	69	51	78	48	69	53	81	64	74	56	76	58	81	66	70	56	76	49	74	45	78	62
21....	72	56	75	46	76	51	75	46	71	35	70	46	71	63	73	56	76	53</										

TABLE 3.—*Maximum and minimum temperatures at selected stations for September, 1911. District No. 1—Continued.*

Date.	New Jersey.								Martinsburg, W. Va. §§	Maryland.								Millsboro, Del.	Washington, D. C.	Virginia.									
	Bridgeton.		Hights- town.		Phillips- burg.		Sussex.			Baltimore.		Darling- ton.		Frederick.		Western- port.					Culpeper.		Freder- icksburg.		Staun- ton §§				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.	Max.	Min.				
1	85	57	80	56	81	56	82	55	83	55	81	59	77	56	80	59	85	58	82	58	82	55	82	58	84	54			
2	88	62	86	61	88	59	85	60	89	58	88	66	84	62	85	63	90	56	85	62	88	59	86	61	86	60			
3	89	67	85	67	83	59	80	65	85	63	89	68	84	64	85	64	82	61	91	67	88	68	89	66	92	65			
4	80	56	80	50	80	50	80	52	89	55	78	63	80	56	79	56	78	50	79	63	81	61	77	60	76	62			
5	82	58	79	53	77	57	77	53	83	58	80	64	.....	.....	81	58	81	56	82	56	83	61	81	60	82	62	89	69
6	87	70	88	68	85	69	82	67	86	58	87	72	.....	.....	55	68	85	66	91	71	87	69	86	70	87	66	88	60
7	85	64	77	62	74	63	73	60	89	63	85	71	.....	.....	57	67	90	62	85	63	88	67	88	64	88	66	88	60
8	75	67	70	63	65	59	65	60	86	67	77	70	84	65	82	72	87	60	79	69	81	70	86	66	83	69	87	61	
9	81	64	76	62	69	60	65	58	75	69	76	68	74	64	76	69	74	65	82	70	81	69	82	67	82	64	82	66	
10	80	57	85	63	83	63	84	61	84	66	80	66	77	65	84	66	88	63	83	71	86	69	83	67	82	70	84	66	
11	80	65	80	63	79	63	76	60	83	66	79	68	81	61	78	68	84	61	76	68	79	67	76	67	78	63	78	63	
12	85	62	84	63	81	57	79	61	81	62	85	65	76	61	83	69	81	61	88	62	84	65	84	63	84	63	84	63	
13	70	49	73	44	63	46	63	41	65	53	65	53	73	51	72	50	76	47	69	51	65	48	70	54	71	56	68	52	
14	69	42	69	36	67	36	65	32	69	42	64	49	65	44	68	43	70	40	70	41	68	46	68	42	68	44	68	42	
15	66	52	63	50	61	53	61	49	71	48	69	58	65	54	70	55	74	57	70	56	70	58	72	56	75	58	79	50	
16	75	65	78	62	82	60	81	59	80	58	81	67	78	64	78	65	82	66	79	62	81	64	78	67	84	69	83	60	
17	82	57	81	52	81	52	79	49	81	55	83	65	83	59	81	54	81	50	79	62	86	61	81	58	80	62	82	53	
18	75	56	78	54	77	56	77	53	73	59	73	62	74	59	72	63	73	54	73	57	71	58	72	61	77	52	72	61	
19	80	54	81	50	82	50	82	44	81	57	77	59	79	53	77	52	82	59	82	54	80	56	80	59	79	63	85	60	
20	82	57	83	56	81	56	79	55	78	60	80	63	78	61	78	67	79	55	79	56	80	59	77	54	79	66	83	63	
21	79	56	76	52	78	53	78	50	70	50	75	60	73	53	76	51	75	47	83	58	77	55	77	61	72	60	67	55	
22	79	68	82	67	78	59	73	58	76	51	80	67	79	65	77	63	78	58	76	67	79	66	80	60	79	65	78	61	
23	71	59	75	57	77	56	79	52	76	56	76	65	78	60	76	57	77	54	75	62	77	63	75	58	78	62	76	53	
24	80	64	83	61	80	59	82	58	81	67	77	63	81	64	83	59	77	65	83	68	81	65	82	67	83	57	83	67	
25	88	67	87	66	85	64	83	62	86	63	89	68	88	66	85	66	86	59	89	69	88	68	87	64	87	67	87	64	
26	78	62	77	62	72	50	70	49	75	65	80	57	79	63	80	65	79	61	81	62	81	56	81	64	82	64	85	66	
27	70	48	70	44	64	42	60	39	72	49	71	52	66	45	72	47	74	50	75	48	71	49	70	52	78	51	73	56	
28	71	55	69	53	67	45	64	53	70	55	72	57	69	59	72	58	73	62	74	52	72	58	70	65	73	66	76	63	
29	75	48	66	42	60	44	59	39	84	56	81	57	75	48	80	54	82	60	80	48	82	59	85	65	82	61	83	61	
30	65	52	65	48	64	43	61	45	65	57	66	53	68	52	73	56	77	56	67	49	67	50	80	57	75	60	73	54	
Mns.	78.4	58.7	77.5	56.2	75.5	54.6	74.1	53.3	78.9	57.7	78.3	62.6	76.4	58.5*	78.4	60.1	80.2	57.1	79.4	59.8	79.6	61.1	79.5	60.6	79.7	62.7	80.5	58.9	

*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.